

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P566897

Luminaire Tested: **4SNX-84HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-UNV-L850-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

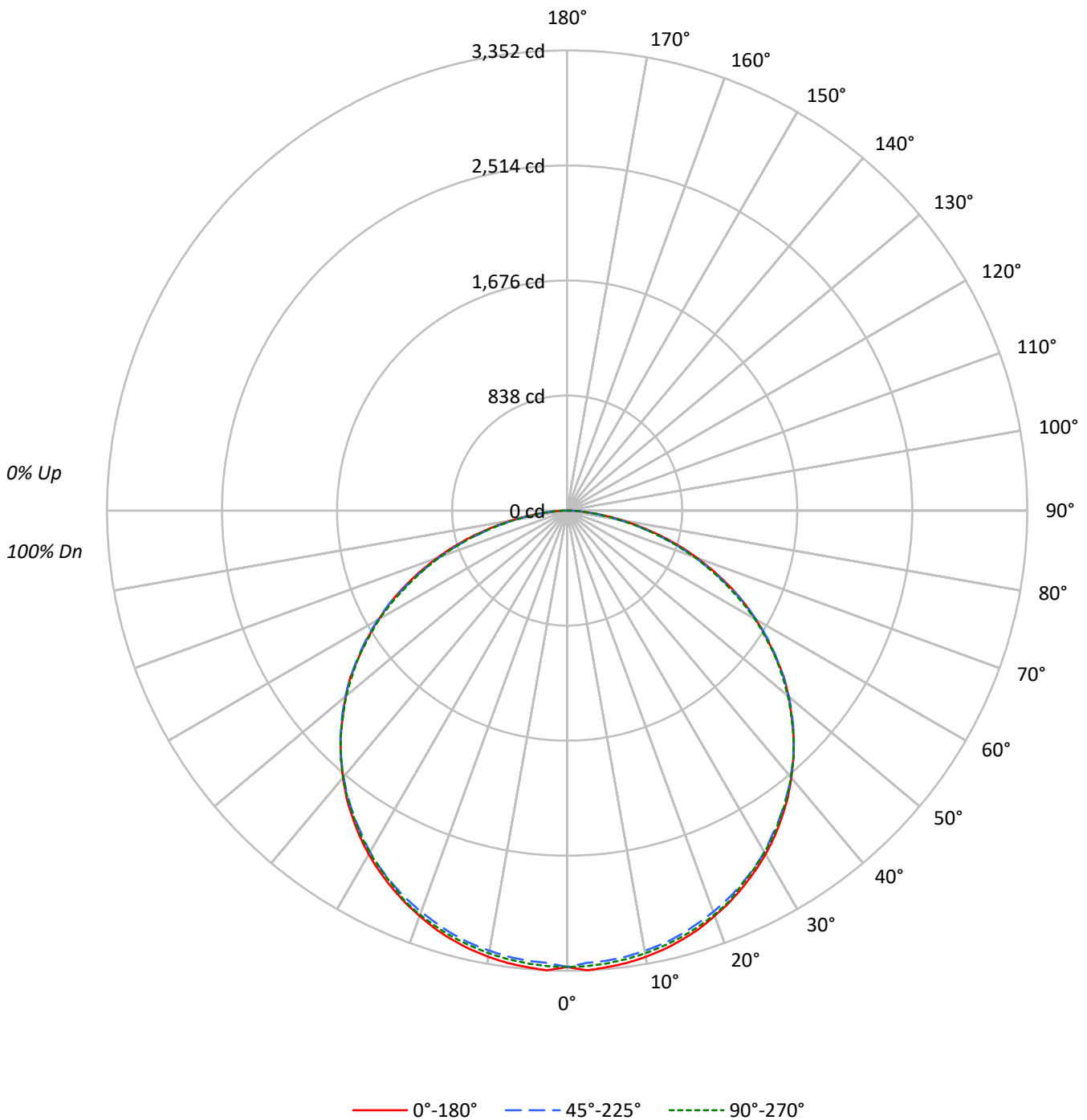
Lumens per Lamp: N/A
Luminaire Lumens: 9950.0 lumens
Efficiency: N/A
Efficacy: 171.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35779	35779	35779
5°	36067	35566	35779
10°	36084	35592	35792
15°	36069	35631	35833
20°	35996	35625	35883
25°	35952	35668	35736
30°	35929	35701	35736
35°	35840	35618	35675
40°	35696	35617	35637
45°	35503	35567	35503
50°	35263	35333	35144
55°	34714	34898	34714
60°	34128	34279	33977
65°	33284	32889	32532
70°	31698	30990	30902
75°	29249	27848	27964
80°	25024	23456	23890
85°	18587	18241	17031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.4	3.2
10°-20°	908.9	9.1
20°-30°	1391.4	14.0
30°-40°	1702.1	17.1
40°-50°	1800.3	18.1
50°-60°	1658.8	16.7
60°-70°	1276.7	12.8
70°-80°	717.3	7.2
80°-90°	178.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2615.8	26.3
0°-40°	4317.9	43.4
0°-60°	7777.0	78.2
0°-90°	9950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3324	3324	3324	3324	3324	
5°	3338	3328	3292	3321	3311	317
15°	3237	3228	3197	3226	3216	914
25°	3027	3024	3003	3024	3009	1396
35°	2728	2723	2711	2723	2715	1707
45°	2332	2339	2336	2331	2332	1798
55°	1850	1867	1860	1854	1850	1657
65°	1307	1310	1291	1273	1277	1289
75°	703	692	670	660	672	741
85°	150	148	148	144	138	186
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3324.0	3324.0	3324.0	3324.0	3324.0
2.5°	3352.1	3333.8	3297.2	3329.6	3321.1
5°	3338.0	3328.2	3291.6	3321.1	3311.3
7.5°	3324.0	3312.7	3277.5	3309.9	3295.8
10°	3301.4	3291.6	3256.4	3287.4	3274.7
12.5°	3271.9	3263.5	3231.1	3260.7	3248.0
15°	3236.7	3228.3	3197.4	3225.5	3215.6
17.5°	3194.5	3184.7	3155.2	3184.7	3177.7
20°	3142.5	3136.9	3110.1	3136.9	3132.6
22.5°	3089.0	3082.0	3060.9	3080.6	3082.0
25°	3027.1	3024.3	3003.2	3024.3	3008.9
27.5°	2962.4	2962.4	2941.3	2955.4	2945.6
30°	2890.7	2889.3	2872.4	2879.4	2875.2
32.5°	2813.3	2811.9	2789.4	2807.7	2800.7
35°	2727.5	2723.3	2710.6	2723.3	2714.9
37.5°	2638.9	2634.7	2624.8	2631.9	2630.5
40°	2540.4	2540.4	2534.8	2540.4	2536.2
42.5°	2439.2	2443.4	2436.3	2442.0	2442.0
45°	2332.3	2339.3	2336.5	2330.8	2332.3
47.5°	2218.3	2231.0	2223.9	2222.5	2215.5
50°	2105.8	2117.0	2110.0	2103.0	2098.7
52.5°	1989.0	1994.7	1986.2	1983.4	1973.6
55°	1849.8	1866.6	1859.6	1854.0	1849.8
57.5°	1721.8	1734.4	1728.8	1717.5	1710.5
60°	1585.3	1595.2	1592.3	1579.7	1578.3
62.5°	1451.7	1454.5	1451.7	1429.2	1430.6
65°	1306.8	1309.6	1291.3	1273.0	1277.3
67.5°	1154.9	1163.3	1138.0	1111.3	1129.6
70°	1007.2	1004.4	984.7	955.1	981.9
72.5°	855.3	852.4	829.9	808.8	827.1
75°	703.3	692.1	669.6	659.7	672.4
77.5°	545.8	533.1	523.3	516.2	521.9
80°	403.7	386.8	378.4	372.8	385.4
82.5°	268.7	256.0	251.8	256.0	253.2
85°	150.5	147.7	147.7	143.5	137.9
87.5°	61.9	64.7	66.1	64.7	61.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)